

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: June 9, 2003, 12:39:27 ; Search time 48.5106 Seconds
(without alignments)
222.724 Million cell updates/sec

Title: US-09-785-058-12
Perfect score: 250
Sequence: 1 RVRVRVRVRVRVRVRV.....RVRVRVRVRVRVRVRV 48

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1046584 seqs, 225093350 residues

Total number of hits satisfying chosen parameters: 1046584

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Pending Patents AA New:*

- 1: /cgn2_6/ptodata/1/paa/PCT_NEW_COMB.pbp:*
- 2: /cgn2_6/ptodata/1/paa/US06_NEW_COMB.pbp:*
- 3: /cgn2_6/ptodata/1/paa/US07_NEW_COMB.pbp:*
- 4: /cgn2_6/ptodata/1/paa/US08_NEW_COMB.pbp:*
- 5: /cgn2_6/ptodata/1/paa/US09_NEW_COMB.pbp:*
- 6: /cgn2_6/ptodata/1/paa/US10_NEW_COMB.pbp:*
- 7: /cgn2_6/ptodata/1/paa/US60_NEW_COMB.pbp:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	95	38.0	245	6	US-10-425-114-70663
2	75.5	30.2	197	6	US-10-425-114-66861
3	75	30.0	136	6	US-10-264-237-2376
4	75	30.0	190	6	US-10-425-114-70810
5	75	30.0	195	6	US-10-425-114-68513
6	75	30.0	209	6	US-10-425-114-68542
7	75	30.0	252	6	US-10-425-114-71061
8	75	30.0	342	6	US-10-425-114-68594
9	71	28.4	142	7	US-60-452-680-16830
10	71	28.4	142	7	US-60-452-680-16830
11	68	27.2	139	6	US-10-425-114-52367
12	66.5	26.6	53	1	PCT-US02-32727-26771
13	66.5	26.6	53	5	US-09-978-825-26771
14	66.5	26.6	53	5	US-10-057-498-26771
15	66.5	26.6	96	1	PCT-US02-32727-24220
16	66.5	26.6	96	5	US-09-978-825-24220
17	66.5	26.6	96	6	US-10-057-498-24220
18	66.5	26.6	178	6	US-10-425-114-36902
19	66.5	26.6	183	6	US-10-425-114-39050
20	66.5	26.6	396	6	US-10-219-051B-8227
21	66.5	26.6	396	6	US-10-219-051B-8227
22	64.5	25.8	53	1	PCT-US02-32727-20271
23	64.5	25.8	53	1	PCT-US02-32727-25676
24	64.5	25.8	53	5	US-09-978-825-20271
25	64.5	25.8	53	5	US-09-978-825-25676
26	64.5	25.8	53	6	US-10-057-498-20271

27	64.5	25.8	53	6	US-10-057-498-25676
28	64.5	25.8	152	6	US-10-425-114-54667
29	64.5	25.8	360	6	US-10-282-122A-49117
30	64	25.6	181	6	US-10-424-599-208445
31	64	25.6	692	6	US-10-156-761-12598
32	63.5	25.4	66	6	US-10-203-138A-10862
33	63.5	25.4	288	6	US-10-369-493-17910
34	63.5	25.4	396	6	US-10-425-114-56117
35	63	25.2	107	6	US-10-425-114-53360
36	63	25.2	107	6	US-10-425-114-56955
37	63	25.2	296	6	US-10-282-122A-64361
38	63	25.2	957	6	US-10-425-114-71457
39	62.5	25.0	189	6	US-10-366-683-24576
40	62.5	25.0	189	6	US-10-419-128-24576
41	62.5	25.0	193	6	US-10-425-114-54263
42	62.5	25.0	205	6	US-10-366-683-32538
43	62.5	25.0	205	6	US-10-419-128-32538
44	62	24.8	66	1	PCT-US02-32727-12229
45	62	24.8	66	5	US-09-978-825-12229

ALIGNMENTS

RESULT 1

US-10-425-114-70663
; Sequence 70663, Application US/10425114

; GENERAL INFORMATION:

; APPLICANT: Liu, Jingdong

; APPLICANT: Zhou, Yihua

; APPLICANT: Kovalic, David K.

; APPLICANT: Screen, Steven E

; APPLICANT: Tabaska, Jack E

; APPLICANT: Cao, Yongwei

; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement

; FILE REFERENCE: 38-21(53313)B

; CURRENT APPLICATION NUMBER: US/10/425,114

; CURRENT FILING DATE: 2003-04-28

; NUMBER OF SEQ ID NOS: 73128

; SEQ ID NO 70663

; LENGTH: 245

; TYPE: PRT

; ORGANISM: Zea mays

; FEATURE:

; OTHER INFORMATION: Clone ID: UC-2MFLB73064A07_FLI.pep

US-10-425-114-70663

Query Match 38.0%; Score 95; DB 6; Length 245;

Best Local Similarity 57.5%; Pred. No. 0.2;

Matches 23; Conservative 2; Mismatches 9; Indels 6; Gaps 2;

Qy 8 RWVRVRVRVRVRVRVRVRVRVRVRVRVRVRVRVRVRV 47

Db 12 RWVRRLRRRRRRRRRRRRRRRRRRRRRRRRRR 45

RESULT 2

US-10-425-114-66861

; Sequence 66861, Application US/10425114

; GENERAL INFORMATION:

; APPLICANT: Liu, Jingdong

; APPLICANT: Zhou, Yihua

; APPLICANT: Kovalic, David K.

; APPLICANT: Screen, Steven E

; APPLICANT: Tabaska, Jack E

; APPLICANT: Cao, Yongwei

; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement

; FILE REFERENCE: 38-21(53313)B

; CURRENT APPLICATION NUMBER: US/10/425,114

; CURRENT FILING DATE: 2003-04-28

; NUMBER OF SEQ ID NOS: 73128

; OTHER INFORMATION: Clone ID: UC-ZMFLMO17108D04_FLI.pep
US-10-425-114-68542

Query Match 30.0%; Score 75; DB 6; Length 209;
Best Local Similarity 41.3%; Pred. No. 10;
Matches 26; Conservative 3; Mismatches 8; Indels 26; Gaps 4;
QY 4 RVRRW-----VRRVRRVRRVRRVRRVRR-----VRRVRRVRRVRR 43
DB 78 RGVRWGRGRRVCGRLGAWSVRRRGRLGRR--RLGRRGVRRRGRLGCRRLWRRGV--- 131
QY 44 RWR 46
DB 132 RWR 134

RESULT 7

US-10-425-114-71061
; Sequence 71061, Application US/10425114
; GENERAL INFORMATION:
; APPLICANT: Liu, Jingdong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E.
; APPLICANT: Tabaska, Jack E.
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53313)B
; CURRENT APPLICATION NUMBER: US/10/425,114
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 71061
; LENGTH: 252
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: UC-ZMFLMO17030B05_FLI.pep
US-10-425-114-71061

Query Match 30.0%; Score 75; DB 6; Length 252;
Best Local Similarity 41.3%; Pred. No. 12;
Matches 26; Conservative 3; Mismatches 8; Indels 26; Gaps 4;
QY 4 RVRRW-----VRRVRRVRRVRRVRRVRR-----VRRVRRVRRVRR 43
DB 78 RGVRWGRGRRVCGRLGAWSVRRRGRLGRR--RLGRRGVRRRGRLGCRRLWRRGV--- 131
QY 44 RWR 46
DB 132 RWR 134

RESULT 8

US-10-425-114-68594
; Sequence 68594, Application US/10425114
; GENERAL INFORMATION:
; APPLICANT: Liu, Jingdong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E.
; APPLICANT: Tabaska, Jack E.
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53313)B
; CURRENT APPLICATION NUMBER: US/10/425,114
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 68594
; LENGTH: 342
; TYPE: PRT
; ORGANISM: Zea mays

; FEATURE:
; OTHER INFORMATION: Clone ID: UC-ZMFLMO17159C10_FLI.pep
US-10-425-114-68594

Query Match 30.0%; Score 75; DB 6; Length 342;
Best Local Similarity 41.3%; Pred. No. 15;
Matches 26; Conservative 3; Mismatches 8; Indels 26; Gaps 4;
QY 4 RVRRW-----VRRVRRVRRVRRVRRVRR-----VRRVRRVRRVRR 43
DB 78 RGVRWGRGRRVCGRLGAWSVRRRGRLGRR--RLGRRGVRRRGRLGCRRLWRRGV--- 131
QY 44 RWR 46
DB 132 RWR 134

RESULT 9

US-10-425-114-58367
; Sequence 58367, Application US/10425114
; GENERAL INFORMATION:
; APPLICANT: Liu, Jingdong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E.
; APPLICANT: Tabaska, Jack E.
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53313)B
; CURRENT APPLICATION NUMBER: US/10/425,114
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 58367
; LENGTH: 129
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: LIB3591-091-B12_FLI.pep
US-10-425-114-58367

Query Match 28.4%; Score 71; DB 6; Length 129;
Best Local Similarity 54.3%; Pred. No. 16;
Matches 18; Conservative 1; Mismatches 6; Indels 8; Gaps 2;
QY 8 RVRRVRRVRRVRRVRRVRR--VRRVRRVRRVRR 38
DB 12 RVRRVRRVRR-----RRVRRVRRVRRAGHV 38

RESULT 10

US-60-452-680-16830
; Sequence 16830, Application US/60452680
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele
; APPLICANT: GRUPE, Andrew
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: ALZHEIMER'S DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001450
; CURRENT APPLICATION NUMBER: US/60/452,680
; CURRENT FILING DATE: 2003-03-07
; NUMBER OF SEQ ID NOS: 116213
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16830
; LENGTH: 142
; TYPE: PRT
; ORGANISM: Homo sapiens
; OTHER INFORMATION: Clone ID: LIB3591-091-B12_FLI.pep
US-60-452-680-16830

Query Match 28.4%; Score 71; DB 7; Length 142;
Best Local Similarity 38.8%; Pred. No. 17;
Matches 22; Conservative 3; Mismatches 20; Indels 12; Gaps 4;

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